

Converting Colors

XYZ(47.1126, 61.0001, 72.9503)

Have a look what the booklet for
XYZ(47.1126, 61.0001, 72.9503)
contains.

XYZ(47.0909, 60.8667, 72.8848)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.0909, 60.8667,
72.8848)**

Conversions

Conversions Part 1

Format	Color
Hex	83DCD6
RGB	131, 220, 214
RGB Percent	51%, 86%, 84%
CMY	0.4863, 0.1372, 0.1608
CMYK	0.40, 0.00, 0.03, 0.14
HSL	176°, 56%, 69%
HSV	176°, 40%, 86%
XYZ	47.0909, 60.8667, 72.8848
YIQ	192.7050, -51.1180, -20.7340

Conversions

Conversions Part 2

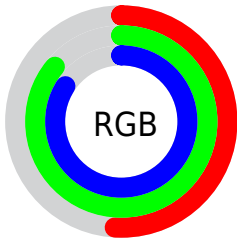
Format	Color
RYB	131, 177, 220
Decimal	8641750
CIELab	82.31, -28.09, -5.46
CIELCh	82, 28.620, 190.995
Yxy	60.8667, 0.2604, 0.3366
Android (android.graphics.Color)	4286831830 (0xFF83DCD6)
YUV	192.7050, 10.4984, -54.1153
Hunter-Lab	78.0171, -28.7879, -0.7777

Details

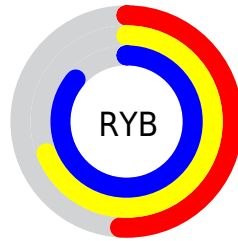
The XYZ color **47.0909, 60.8667, 72.8848** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.1490, 33.2562, 27.8669**, and the grayscale version is **50.4787, 53.1076, 57.8341**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **22.5372, 30.8693, 37.5714** is the 20% darker color. If you saturate the color by 10%, you get **43.8504, 59.2195, 71.7497**, and if you desaturate by 10%, it is **51.0601, 62.8924, 74.0657**.

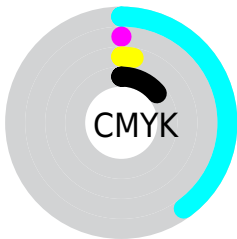
Distribution



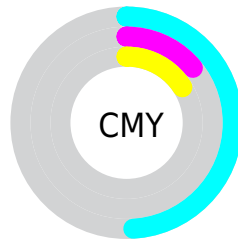
- Red (51%)
- Green (86%)
- Blue (84%)



- Red (51%)
- Yellow (69%)
- Blue (86%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)





- Cyan (49%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0909, 60.8667, 72.8848 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 47.0909, 60.8667, 72.8848 by changing the saturation by 10% instead.


 47.0909, 60.8667,
72.8848


 47.0909, 60.8667,
72.8848


365.8201,
427.7851, 489.6755


 33.3158, 44.1176,
53.3905


 85.0672, 106.0859,
125.0331

 22.5288, 30.7630,
37.7248


 109.9991,
135.3248, 158.5241

 14.3648, 20.4184,
25.4690


 139.3806,
169.4957, 197.5178

 8.4582, 12.6996,
16.2046

173.5771,
208.9831, 242.4328

 4.4438, 7.2220,
9.5131

212.9540,
254.1714, 293.6875

 1.9561, 3.6013,
4.9760

257.8765,

 0.6091, 1.4531,

305.4448, 351.7005

2.1747

308.7101,
363.1879, 416.8903

■ 0.0000, 0.2554,
0.6597

■ 0.0000, 0.0000,
0.0000

■ 47.0909, 60.8667,
72.8848

■ 47.0909, 60.8667,
72.8848

■ 43.8504, 59.2195,
71.7497

■ 51.0601, 62.8924,
74.0657

■ 41.2871, 57.9196,
70.6540


■ 55.7948, 65.3110,
75.2901


■ 39.3512, 56.9430,
69.5965

■ 61.3357, 68.1451,
76.5613


■ 37.9839, 56.2594,
68.5747


■ 67.7191, 71.4132,
77.8810


 37.1150, 55.8324,
67.5850


 74.9791, 75.1331,
79.2508

 36.6337, 55.6042,
66.6649

 80.1405, 77.7709,
80.5315

 80.3414, 77.8512,
81.5893

 80.5440, 77.9323,
82.6563

 80.7484, 78.0140,
83.7326

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.4613, 60.8667, 55.9309



47.0909, 60.8667, 72.8848



49.4477, 60.8667, 90.8259

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.0909, 60.8667, 72.8848



65.8875, 60.8667, 94.9790



61.7540, 60.8667, 39.3295

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47.0909, 60.8667, 72.8848



42.1490, 33.2562, 27.8669

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.1583, 60.8667, 46.5999



47.0909, 60.8667, 72.8848



69.6582, 60.8667, 77.8184

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.0909, 60.8667, 72.8848



60.1166, 60.8667, 104.9936



70.1389, 60.8667, 60.0746



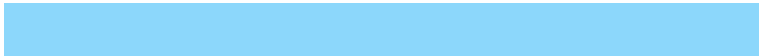
55.6449, 60.8667, 38.4786

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.0909, 60.8667, 72.8848



52.3521, 60.8667, 100.1841



70.1389, 60.8667, 60.0746



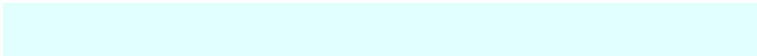
63.7242, 60.8667, 41.0348

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47.0927, 60.8691, 72.8862



84.3441, 94.5191, 106.6739



40.2422, 58.2664, 30.5997



17.8261, 20.1148, 22.7820



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.0927, 60.8691, 72.8862



61.6963, 82.9589, 100.4117



39.1966, 43.8273, 74.1064



13.4050, 14.8136, 16.5955



21.5158, 32.6390, 39.2114



1.4056, 2.1192, 2.6017

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.1490, 33.2562, 27.8669



53.8513, 39.0874, 28.9325



47.6321, 44.8925, 27.6288



13.0915, 13.0657, 13.7430



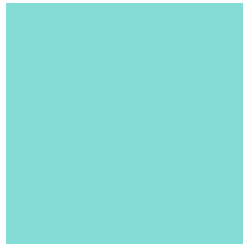
17.3867, 8.9557, 1.1503



1.1392, 0.5853, 0.1418

Previews

White Background



This preview shows how the XYZ color 47.0909, 60.8667, 72.8848 looks on a white background.

Color Contrast Check

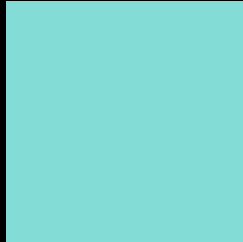
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 47.0909, 60.8667, 72.8848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

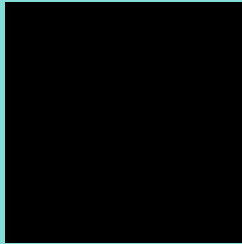
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

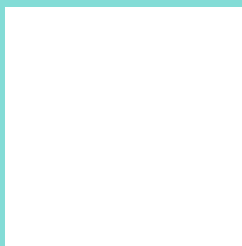
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0909, 60.8667, 72.8848

Background



This preview shows how black text looks on a background with the XYZ color 47.0909, 60.8667, 72.8848.

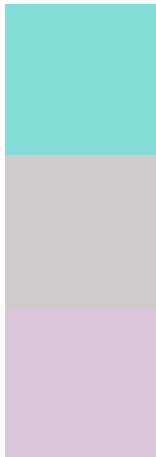


This preview shows how white text looks on a background with the XYZ color 47.0909, 60.8667,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

47.0909, 60.8667, 72.8848

Protanopia

57.9871, 60.3369, 65.7167

Deuteranopia

61.5955, 60.2544, 75.4017



Tritanopia

49.9807, 60.8846, 86.9595

Trichromacy



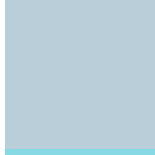
Original Color

47.0909, 60.8667, 72.8848



Protanomaly

52.7760, 59.7387, 68.4236



Deuteranomaly

54.8454, 59.5915, 74.2573



Tritanomaly

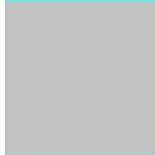
48.9282, 60.8398, 81.8375

Monochromacy



Original Color

47.0909, 60.8667, 72.8848



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.4761, 55.4750, 63.4111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0909, 60.8667, 72.8848 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(131, 220, 214)` looks like.

```
.text, #text, p{  
    color:rgb(131, 220, 214)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(131, 220, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 220, 214) }
```

Border

The CSS property to change the border of an element to XYZ 47.0909, 60.8667, 72.8848 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 220, 214) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(131, 220, 214) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(131, 220, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 220, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 220, 214);  
box-shadow:4px 4px 4px 4px rgb(131, 220,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0909, 60.8667, 72.8848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 220, 214) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(131,  
220, 214) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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